

DERWENT-ACC-NO: 1997-302285

DERWENT-WEEK: 199728

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TITLE: Decontamination of metal contaminated with radioactivity
- by dissolving material in organic acid solution,
determining concentration, resolving decontaminated waste
liquid, and separating metal eluted in solution

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PRIORITY-DATA: 1995JP-0270989 (October 19, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 09113690 A	May 2, 1997	N/A	014	G21F 009/28

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 09113690A	N/A	1995JP-0270989	October 19, 1995

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ABSTRACTED-PUB-NO: JP 09113690A

BASIC-ABSTRACT:

The decontamination comprises: (a) using a solution of an organic acid as a decontaminating agent, and dissolving the base material of a metal contaminated with radioactivity in the solution; (b) determining the concentration of the organic acid, and supplying an organic acid with the amount corresponding to the decrease of the concentration; (c) resolving the decontaminated waste liquid generated in (a); and (d) separating the metal eluted in the solution.

USE - The method removes radioactivity from the metal contaminated with radioactivity.

ADVANTAGE - The method removes contamination penetrating into the base material of the metal, and reduces the amount of secondary waste material caused by decontamination.

CHOSEN-DRAWING: Dwg.2/15

TITLE-TERMS: DECONTAMINATE METAL CONTAMINATE RADIOACTIVE DISSOLVE MATERIAL
ORGANIC ACID SOLUTION DETERMINE CONCENTRATE RESOLUTION
DECONTAMINATE WASTE LIQUID SEPARATE METAL ELUTION SOLUTION

DERWENT-CLASS: K07

CPI-CODES: K07-A03;